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1 gccagccccc gauugggggc gacacuccac cauagaucac uccccuguga ggaacuacug
61 ucuucacgca gaaagcgucu agccauggcg uuaguaugag ugucgugcag ccuccaggac
121 cccccucucc gggagagcca uaguggucug cggaaccggu gaguacaccg gaauugccag
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241 gcgagacugc uagccgagua guguuagguc gcgaaaggcc uugugguacu gccugauagg
301 gugcuugcga gugccccggg agguucugua gaccgugcac caugagcacg aauccuaaac
361 cucaaagaaa aaccaaaggg cgcgccaugc acccagaaac gcuggugaaa guaaaagaug
421 cugaagauca guugggugca cgaguggguu acaucgaacu ggaucauac agcgguaaga
481 uccuugagag uuucgcccc gaagaacguu uuccaauugau gagcacuuu aaaguucugc
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601 acuauucuca gaugacuug guugaguacu caccagucac agaaaagcau cuuacggau
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721 acuuaucucu gacaacgauc ggaggaccga aggagcuaac cgcuuuuuug cacaacaugg
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1141 agaucgcuga gauaggugcc ucacugauua agcauuggua aguuuaaca gaccacaacg
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1261 cgaagccgcu uggaauaagg ccggugugcg uuugucuaua uguuauuuuc caccuauuug
1321 ccgucuuuug gcaaugugag ggcccggaaa ccuggccug ucuucugac gagcauuccu
1381 aggggucuuu cccucucgc caaaggaaug caaggucugu ugaaugcgu gaaggaagca
1441 guuccucugg aagcuucug aagacaaaca acgucuguag cgaccuuug caggcagcgg
1501 aacccccac cuggcgacag gugccucugc ggccaaaagc cacguguaua agauacaccu
1561 gcaaaggcgg cacaacccca gugccacguu gugaguugga uaguugugga aagagucaaa
1621 uggcucuccu caagcguau caacaagggg cugaaggau cccagaaggu accccauugu
1681 augggauug auguggggcc ucggugcaca ugcuuuacau guguuuaguc gagguaaaaa
1741 aacgucuagg cccccgaac cacggggacg ugguuuuccu uugaaaaaca cgauauuacc
1801 auggaccggg agauggcagc aucgugcgga ggcgcgguu ucguaggucu gauacucug
1861 accuugucac cgcacuaaa gcuguuccuc gcuaggcuca uauggguguu acaauuuuu
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2101 ccguacuucg ugcgcgcaca cgggcucau cgugcaugca ugcuggugcg gaagguugcu
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2281 gcaguugagc ccgucgucu cucugauaug gagaccaagg uuauaccug gggggcagac
2341 accgcgcgcu guggggacau caucuugggc cugcccgucu ccgcccgcag ggggagggag
2401 auacaucug gaccggcaga cagccuugaa gggcaggggu ggcgacuccu cgcgccuauu
2461 acggccuacu cccaacagac gcgaggccua cuuggcugca ucaucacuag ccucacaggc

FIG. 1A

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2521 cgggacagga accaggucga gggggagguc caaguggucu ccaccgcaac acaaucuuuc
2581 cuggcgaccu gcgucaaugg cguguguugg acugucuauc auggugccgg cucaaagacc
2641 cuugccggcc caaaggggccc aaucacccaa auguacacca auguggacca ggaccucguc
2701 ggcuggcaag cgccccccgg ggcgcguucc uugacaccu gcaccugcgg cagcucggac
2761 cuuuacuugg ucacgaggca ugccgauguc auuccggugc gccggcgggg cgacagcagg
2821 gggagccuac ucucucccag gcccgucucc uacuugaagg gcucuucggg cgguccacug
2881 cucugccccc cggggcacgc ugugggcauc uuucgggcug ccgugugcac ccgagggguu
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3001 uucacggaca acucgucccc uccggccgua ccgcagacau uccagguggc ccaucuaac
3061 gcccucacug guagcggcaa gagcacuaag gugccggcug cguaugcagc ccaagggauu
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3241 cccaucacgu acuccaccua uggcaaguuu cuugccgacg gugguugcuc ugggggcgcc
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3481 acuggagaaa ucccuuuua uggcaaagcc aucccaucg agaccauca gggggggagg
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3961 cucacgcccg ccgagaccuc aguuaagguug cgggcuuacc uaaacacacc agggguugccc
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4081 gcccauuucu ugucccagac uaagcaggca ggagacaacu ucccuaccu gguagcauac
4141 caggcuacgg ugugcgccag ggcucaggcu ccaccuccau cgugggacca aauguggaag
4201 ugucucauac ggcuaaagcc uacgcugcac gggccaacgc ccugcugua uaggcuggga
4261 gccguucaaa acgagguuac uaccacacac ccacuaacca aaauacauau ggcaugcaug
4321 ucggcugacc uggaggucgu cacgagcacc ugggugcugg uaggcgaggu ccuagcagcu
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4561 cagaaggcaa ucggguugcu gcaaacagcc accaagcaag cggaggcugc ugcucccgug
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4681 agcgggauac aaauuuagc aggcugugc acucugccug gcaaccccg gauagcauca
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4861 guaggcgccg gcaucgcugg agcggcuguu ggcagcauag gccuugggaa ggugcuugug
4921 gauauuuugg cagguuaugg agcaggggug gcaggcgcg ucguggccuu uaaggucaug
4981 agcggcgaga ugcccuccac cgaggaccug guuaaccuac uccugcuau ccucuccccu

FIG. 1B

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5041 ggcgcccuaug ucgucgggggu cgugugcgca gcgauacugc gucggcacgu gggcccaggg
5101 gagggggcgug ugcaguggau gaaccggcug auagcguucg cuucgcgggg uaaccacguc
5161 uccccacgc acuaugugcc ugagagcgac gcugcagcac gugucacuca gauccucucu
5221 agucuuacca ucacucagcu gcugaagagg cuucaccagu ggaucaacga ggacugcucc
5281 acgccaugcu ccggcucgug gcuaagagau guuugggauu ggauaugcac gguguugacu
5341 gauuucaaga ccuggcucca guccaagcuc cugccgcgau ugccgggagu ccccuucuc
5401 ucaugucaac guggguaaca gggagucugg cggggcgacg gcaucaugca aaccaccugc
5461 ccauguggag cacagauac cggacaugug aaaaacgguu ccaugaggau cgugggggccu
5521 aggaccugua guaacacgug gcauggaaca uccccauua acgcguacac cacgggcccc
5581 ugcacgccc uccccggcgcc aaauuauucu agggcgcgug ggcggguggc ugcugaggag
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5701 guaaagugcc cgugucaggu uccggcccc gaauucuca cagaagugga uggggugcgg
5761 uugcacaggu acgcuccagc gugcaaacc cuccuacggg aggaggucac auuccugguc
5821 gggcucaau aauaccuggu ugguacacag cucccaugcg agcccgaacc ggacguagca
5881 gugcucacuu ccaugcucac cgacccucc cacauuacgg cggagacggc uaagcguagg
5941 cuggccaggg gaucuccccc cuccuuggcc agcucaucag cuauccagcu gucugcgccu
6001 uccuugaagg caacaugcac uacccguc auacccccgg acgcugaccu caucgaggcc
6061 aaccuccugu ggcggcagga gauggggcgg aacaucaccc gcguggaguc agaaaauaag
6121 guaguaauuu uggacucuuu cgagccgcuc caagcggagg aggaugagag ggaaguaucc
6181 guuccggcgg agauccugcg gagguccagg aaauuccuc gagcgaugcc cauaugggca
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6421 aagaccuucg gcagcuccga aucgucggc gucgacagcg gcacggcaac ggccucuccu
6481 gaccagcccu ccgacgacgg cgacgcggga uccgacguug agucguacuc cuccaugccc
6541 ccccuugagg gggagccggg ggaucggau cucagcgacg ggucuugguc uaccguaagc
6601 gaggaggcua gugaggacgu cgucugcugc ucgauguccu acacauggac aggcgcccug
6661 aucacgccau gcgucgcgga ggaaaccaag cugcccauca augcacugag caacucuuug
6721 cuccgucacc acaacuuggu cuaugcuaca acaucucgca gcgcaagccu gcggcagaag
6781 aaggucaccu uugacagacu gcagguccug gacgaccacu accgggacgu gcucaaggag
6841 augaaggcga aggcguccac aguuaaggcu aaacuucua ccguggagga agccuguaag
6901 cugacgcccc cacauucggc cagaucuaaa uuuggcuau gggcaaagga cguccggaac
6961 cuauccagca aggccguuaa ccacaucggc uccgugugga aggacuugcu ggaagacacu
7021 gagacaccaa uugacaccac caucauggca aaaaauaggg uuuucugcu ccaaccagag
7081 aagggggggc gcaagccagc ucgcccuauc guauuccag auuugggggu ucgugugugc
7141 gagaaaugg cccuuuacga uguggucucc acccuccuc aggcgugau gggcucuuca
7201 uacggauucc aaucucucc uggacagcgg gucgaguucc uggugaauug cuggaaagcg
7261 aagaaugcc cuaugggcuu cgcauugac acccguguu uugacuacac ggucacugag
7321 aaugacauc guguuaggga gucaauucac caauguugug acuuggcccc cgaagccaga
7381 caggccauaa ggucgcucac agagcgccuu uacaucgggg gccccugac uaaauucuaa
7441 gggcagaacu gcggcuauug ccggugccgc gcgagcgug uacugacgac cagcugcggu
7501 aauaccuca cauguuacuu gaaggccgu gcggccuguc gagcugcgaa gcuccaggac

FIG. 1C

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7561 ugcacgaugc ucguaugcgg agacgaccuu gucguuauuc gugaaagcgc ggggacccaa
7621 gaggacgagg cgagccuacg ggccuucacg gaggcuauga cuagauacuc ugccccccu
7681 ggggacccgc ccaaaccaga auacgacuug gaguugauaa caucaugcuc cuccaauug
7741 ucagucgcgc acgaugcauc uggcaaaagg guguaucuauc ucacccguga cccaccacc
7801 ccccuugcgc gggcugcggg ggagacagcu agacacacuc cagucaauuc cuggcuaggc
7861 aacaucauca uguaugcgcc caccuugugg gcaaggaua uccugaugac ucauuucuc
7921 uccauccuuc uagcucagga acaacuugaa aaagcccuag auugucagau cuacggggcc
7981 uguuacucca uugagccacu ugaccuaccu cagaucuuuc aacgacucca uggccuagc
8041 gcuuuuucac uccauaguua cucuccaggu gagaucaaua ggguggguuc augccucagg
8101 aaacuugggg uaccgcccuu gcgagucugg agacaucggg ccagaagugu ccgcgcuaagg
8161 cuacuguccc aggggggggag ggcugccacu uguggcaagu accucucaa cugggcagua
8221 aggaccaagc ucaaacucac uccaaucccg gcugcguccc aguuggauuu auccagcugg
8281 uucguugcug guuacagcgg gggagacaua uaucacagcc ugucucgugc ccgacccgc
8341 ugguucaugu ggugccuacu ccuacuuuc guagggguag gcaucuauc acuccccaau
8401 cgaugaaggu ugggguaaac acuccggccu cuuaggccau uuccucucu uuuuuuguu
8461 uuuuggguuu uuuuguuuuu uuucuuuuu uuuuuuuuu uuucuuuuu ccuucuuuu
8521 uuucucuuuu uuucuuuuu aaugguggcu ccaucuuagc ccuagucacg gcuagcugug
8581 aaagguccgu gagccgcaug acugcagaga gugcugauac uggccucucu gcagaucaug
8641 ugggucggca uggcaucucc accucccgc gguccgaccu gggcauccga aggaggacgu
8701 cguccacucg gauggcuaag ggagagcucu ag

FIG. 1D

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1 gccagccccc gattgggggc gacactccac catagatcac tcccctgtga ggaactactg
61 tcttcacgca gaaagcgtct agccatggcg ttagtatgag tgtcgtgcag cctccaggac
121 cccccctccc gggagagcca tagtggctct cggaaccggt gagtacaccg gaattgccag
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241 gcgagactgc tagccgagta gtgttgggtc gcgaaaggcc ttgtggtact gcctgatagg
301 gtgcttgca gtgccccgg aggtctcgta gaccgtgcac catgagcacg aatcctaaac
361 ctcaaagaaa aaccaaagg cgcgccatgc acccagaaac gctggtgaaa gtaaaagatg
421 ctgaagatca gttgggtgca cgagtgggtt acatcgaact ggatctcaac agcggtgaaga
481 tccttgagag ttttcgccc gaagaacgtt tccaatgat gagcactttt aaagtctctgc
541 tatgtggcgc ggtattatcc cgtattgacg ccgggcaaga gcaactcggc cgccgcatac
601 actattctca gaatgacttg gttgagtact caccagtcac agaaaagcat cttacggatg
661 gcatgacagt aagagaatta tgcagtgtcg ccataaccat gagtataac actgcggcca
721 acttacttct gacaacgatc ggaggaccga aggagctaac cgcttttttg cacaacatgg
781 gggatcatgt aactcgctt gatcgttggg aaccggagct gaatgaagcc ataccaaacg
841 acgagcgtga caccacgatg cctgtagcaa tggcaacaac gttgcgcaa ctattaactg
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961 ttgcaggacc acttctgcgc tcggcccttc cggctggctg gtttattgct gataaatctg
1021 gagccggtga gcgtgggtct cgcggtatca ttgcagcact ggggccagat ggtaagccct
1081 cccgtatcgt agttatctac acgacgggga gtcaggcaac tatggatgaa cgaaatagac
1141 agatcgctga gatagggtgc tctactgatta agcattggta agtttaaaca gaccacaacg
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1261 cgaagccgct tggaataagg ccggtgtgcg tttgtctata tgttattttc caccatattg
1321 ccgtcttttg gcaatgtgag ggcccggaaa cctggccctg tcttcttgac gagcattcct
1381 aggggtcttt cccctctcgc caaaggaatg caaggctgtg tgaatgtcgt gaaggaagca
1441 gttcctcttg aagcttcttg aagacaaaca acgtctgtag cgacccttg caggcagcgg
1501 aacccccac ctggcgacag gtgcctctgc ggccaaaagc cacgtgtata agatacact
1561 gcaaaggcgg cacaacccca gtgccagtt gtgagttgga tagttgtgga aagagtcaaa
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1681 atgggatctg atctggggcc tcggtgcaca tgctttacat gtgtttagtc gaggttaaaa
1741 aacgtctagg cccccgaac cacggggacg tggttttcct ttgaaaaaca cgataatacc
1801 atggcgcta ttacggccta ctcccaacag acgagaggcc tacttggctg catcatcact
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2341 cggccccgg tcttcacgga caactcgtcc cctccggccg taccgcagac attccagggtg
2401 gcccactctac acgccccctac tggtagcggc aagagcacta aggtgccggc tgcgtatgca
2461 gcccaggggt ataaggtgct tgcctgaac ccgtccgtcg ccgccaccct aggtttcggg

FIG. 2A

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2521 gcgtatatgt ctaaggcaca tggatatcgac cctaacaatca gaaccgggggt aaggaccatc
2581 accacgggtg ccccatcac gtactccacc tatggcaagt ttcttgccga cgggtggttgc
2641 tctgggggcg cctatgacat cataatatgt gatgagtgcc actcaactga ctcgaccact
2701 atcctgggca tcggcacagt cctggacca gcgagacgg ctggagcgcg actcgctgtg
2761 ctcgccaccg ctacgcctcc gggatcggtc accgtgccac atccaaacat cgaggagggtg
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2881 aaggggggga ggcacctcat tttctgccat tccaagaaga aatgtgatga gctcgccgcg
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3241 gaacggccct cgggcatggt cgattcctcg gttctgtgcg agtgctatga cgcgggctgt
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3361 ccagggttgc ccgtctgcca ggaccatctg gagttctggg agagcgtctt tacaggcctc
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3541 caaatgtgga agtgtctcat acggctaaag cctacgctgc acgggccaac gcccctgctg
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3781 atcatcttgt ccggaagcc ggccatcatt cccgacaggg aagtccttta ccgggagttc
3841 gatgagatgg aagagtgcgc ctcacacctc ccttacatcg aacagggaat gcagctcgcc
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3961 gctgctcccg tgggtggaatc caagtggcgg accctcgaag ccttctgggc gaagcatatg
4021 tggaatttca tcagcgggat acaatattta gcaggcttgt ccactctgcc tggcaacccc
4081 gcgatagcat cactgatggc attcacagcc tetatacca gcccgctcac caccacat
4141 accctcctgt ttaacatcct ggggggatgg gtggccgccc aacttgctcc tcccagcgt
4201 gcttctgctt tcgtaggcgc cggcatcgct ggagcggctg ttggcagcat aggccttggg
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4921 accacgggcc cctgcacgcc ctccccggcg ccaaattatt ctagggcgct gtggcgggtg
4981 gctgctgagg agtacgtgga ggttacgcgg gtgggggatt tccactacgt gacgggcatg

FIG. 2B

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5041 accactgaca acgtaaagtg cccgtgtcag gttccggccc ccgaattctt cacagaagtg
5101 gatgggggtgc ggttgccacag gtacgtctcca gcggtgcaaac ccctcctacg ggaggaggtc
5161 acattcctgg tcggggtcaa tcaataacctg gttgggtcac agtccccatg cgagcccga
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5281 gctaagcgta ggctggccag gggatctccc ccctccttgg ccagctcatc agtgcccag
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5401 ctcatcgagg ccaacctcct gtggcggcag gagatgggag ggaacatcac ccgctggag
5461 tcagaaaata aggtagtaat tttggactct ttccagccgc tccaagcgga ggaggatgag
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5641 tacgtccctc cagtgttaca cgggtgtcca ttgccgcctg ccaaggcccc tccgatacca
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5821 acggcctctc ctgaccagcc ctccgacgac ggcgacgagg gatccgacgt tgagtcgtac
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6661 acggtcaccg agaacgacat ccgtgttgag gagtcaattt accaatgttg tgacttggcc
6721 cccgaagcca gacaggccat aaaatcgctc acagagcggc tttatatcgg gggctcctcg
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6961 gcgggaaccc aagaggacgc ggcgagccta cgagtcttca cggaggctat gactaggtac
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7381 catggcctta gcgcattttc actccatagt tactctccag gtgagatcaa taggggtggct
7441 tcatgcctca ggaaacttgg ggtaccgccc ttgcgagctt ggagacaccg ggcccggaat
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FIG. 2C

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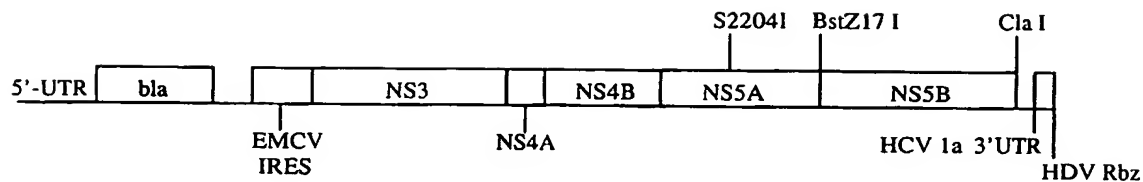
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7621 ttgtccagct gggtcacggc tggctacagc gggggagaca tttatcacgg cgtgtctcat
7681 gcccggtccc gctgggtctg gttttgccta ctctgctcg ctgcaggaat aggcattctac
7741 ctctctccca atcgaatgaag gttggggtaa aactccggc ctcttaggcc atttctctc
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7981 ctgcagatca tgtgggtcgg catggcatct ccacctctc gcggtccgac ctgggcattc
8041 gaaggaggac gtcgtccact cggatggcta agggagagct ctaga

FIG. 2D

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A.



B.

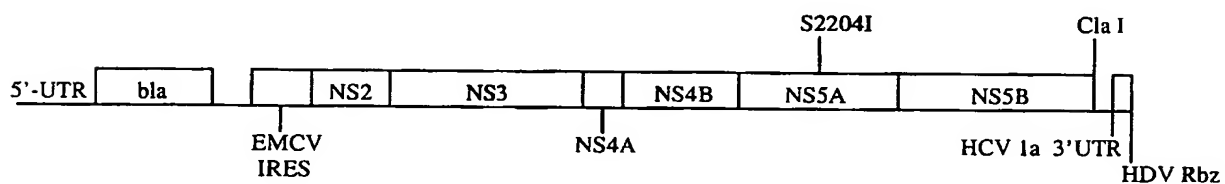


FIG. 3

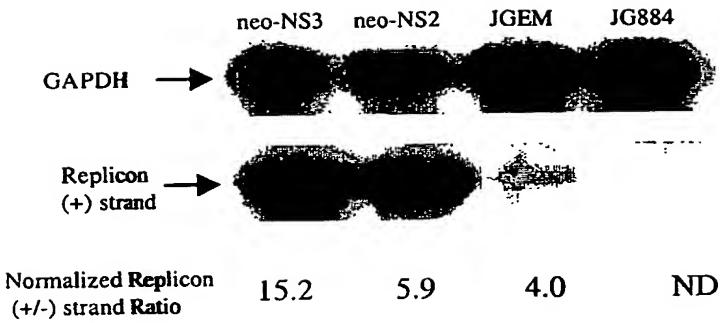


FIG. 4

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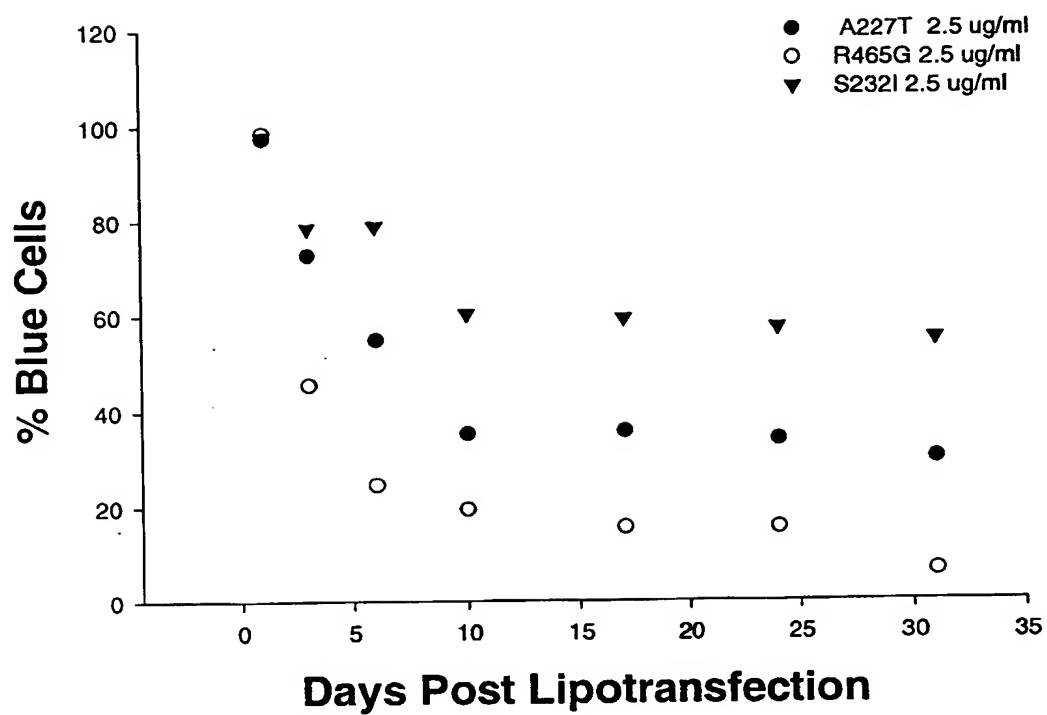


FIG. 5

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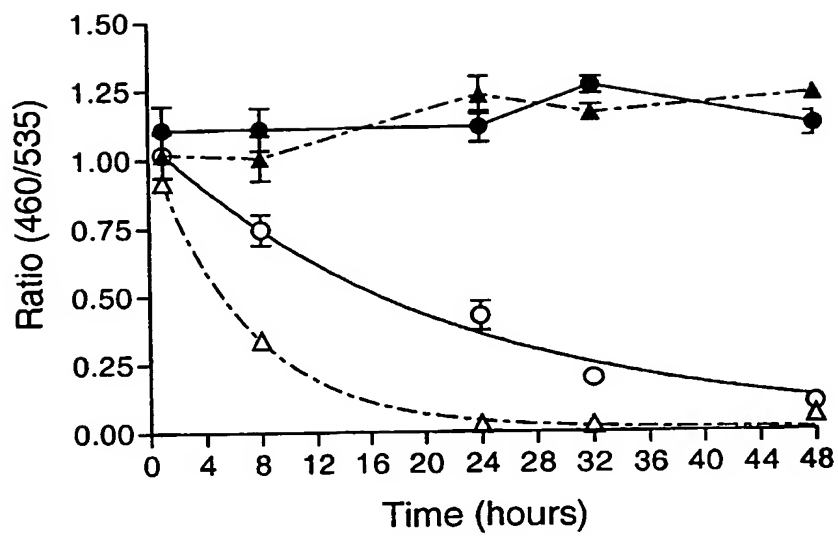


FIG. 6